CLAIM SET AS AMENDED

1. (Currently Amended) An electronic data management system for using electronic data mutually among a plurality of computer systems classified into at least a first computer system and a second computer system, the first computer system and the second computer system being in communication with each other, the first computer system comprising:

reference characteristic value extraction means for extracting a reference characteristic value from a copy of electronic data attached with a reference characteristic value obtained from original electronic data, the copied electronic data attached with the reference characteristic value being generated by and transmitted from the second computer system and received by the first computer;

comparison subject characteristic value calculating means for calculating a comparison subject characteristic value from the copied electronic data and recopied electronic data from the original electronic data from the first computer system; and

determining means for determining authenticity of the copied electronic data from the second computer system and the recopied electronic data from the first computer system by comparing the reference characteristic value and the comparison subject characteristic value.

2. (Previously Presented) The electronic data management system according to claim 1,

wherein the first computer is a management computer system provided with the reference characteristic value extraction means, the comparison subject characteristic value calculating means, and the determining means, and

the second computer system is a managed computer system not belonging to the management computer system,

wherein a source of the copied electronic data and the recopied electronic data is managed by the management computer system.

3. (Previously Presented) The electronic data management system according to claim 2, the first computer system being provided with reference characteristic value attaching means for attaching the reference characteristic value calculated based on the original electronic data to the original electronic data and sending the reference characteristic value to the second computer.

4. (Previously Presented) The electronic data management system according to claim 1, wherein each item of the original, the copied, and the recopied electronic data is electronic drawing data, and each characteristic value is a hash value calculated based on graphic information included in each item of the electronic drawing data.

5. (Currently Amended) The electronic data management system according to claim 1, wherein the copied electronic data transmitted from the second computer system to the first computer system is capable of being compared with three-dimensional geometry of a manufactured product only by using a laser beam or an inspection needle of the first computer system.

6. (Cancelled)

7. (Previously Presented) The electronic data management system according to claim 2,

wherein the management computer system is the computer system on a customer side for placing orders for manufacture of a product based on electronic drawing data, the electronic drawing data being the original electronic data,

wherein the managed computer system is the computer system on a manufacturer side for manufacturing the product ordered by the management computer system on the customer side, and

wherein the management computer system is provided with determination means for determining whether or not the product and the electronic drawing data coincide by comparing the electronic drawing data taken as the copied electronic data sourced from the management computer system on the customer side, and the electronic drawing data taken as

the copied electronic data sourced from the managed computer system with the product delivered by the managed computer system.

8. (Previously Presented) The electronic data management system according to claim 3, wherein the management computer system is the computer system on a customer side for placing orders for manufacture of a product based on electronic drawing data, the electronic drawing data being the original electronic data,

wherein the managed computer system is the computer system on a manufacturer side for manufacturing the product ordered by the management computer system on the customer side, and

wherein the management computer system is provided with determination means for determining whether or not the product and the electronic drawing data coincide by comparing the electronic drawing data taken as the copied electronic data sourced from the management computer system on the customer side, and the electronic drawing data taken as the copied electronic data sourced from the managed computer system with the product delivered by the managed computer system.

9. (Previously Presented) The electronic data management system according to claim 1, wherein the reference characteristic value is encrypted and embedded in the original, the copied, and the recopied electronic data.

10. (Previously Presented) The electronic data management system according to claim 1, wherein the determining means determines the authenticity of the recopied electronic data.

11. (Previously Presented) The electronic data management system according to claim 1, wherein the recopied electronic data is generated by the first computer system.

12. (Cancelled)

13. (Cancelled)

14. (Previously Presented) The electronic data management system according to claim 1, wherein the reference characteristic value is embedded in the original, the copied, and the recopied electronic data utilizing electronic water-mark technology.

15. (Previously Presented) The electronic data management system according to claim 2, wherein the reference characteristic value is embedded in the original, the copied, and the recopied electronic data utilizing electronic water-mark technology.

16. (Previously Presented) The electronic data management system according to claim 3, wherein the reference characteristic value is embedded in the original, the copied, and the recopied electronic data utilizing electronic water-mark technology.

17. (Previously Presented) The electronic data management system according to claim 4, wherein the reference characteristic value is embedded in the original, the copied, and the recopied electronic data utilizing electronic water-mark technology.

18. (Cancelled)

19. (Cancelled)

20. (Currently Amended) An electronic data management method for storing original electronic drawing data and outputting the original electronic drawing data as the drawing data of a manufactured product to be ordered from a manufacturer, comprising the steps of:

providing a first computer system at a customer and a second computer system at the manufacturer, the first and the second computer systems being in communication with each other;

calculating a reference characteristic value in the first computer system from graphic information of the original electronic drawing data in advance and outputting the original electronic drawing data affixed with a reference characteristic value from the first computer system to the second computer system of the manufacturer; and

determining in the first computer system whether or not one or both of the copied electronic drawing data received from the second computer system and recopied electronic drawing data outputted from the first computer system have been altered by comparing the reference characteristic value with the comparison object original value.

21. (Currently Amended) The electronic data management method according to claim 20, wherein the determining step includes the step of:

comparing the copied electronic drawing data received by the first computer system and the manufactured product by a three-dimensional geometry measuring process using a laser beam or a inspection needle.

22. (Previously Presented) The electronic data management method according to claim 20, wherein the determining step is capable of being performed only on the first computer system, thereby determining the authenticity of the copied electronic drawing data received from the second computer system.

23. (Previously Presented) The electronic data management method according to claim 20, wherein the determining step is performed on the first computer system, thereby determining the authenticity of the copied electronic drawing data received from the second computer system.

24. (Previously Presented) The electronic data management method according to claim 22, wherein the determining step is capable of being performed only on the first computer system, thereby determining the authenticity of the recopied electronic drawing data, the recopied data being generated on the first computer system.

25. (New) An electronic data management system for using electronic data mutually among a plurality of computer systems classified into at least a first computer system and a second computer system, the first computer system and the second computer system being in communication with each other, the first computer system comprising:

reference characteristic value extraction means for extracting a reference characteristic value from a copy of electronic data attached with a reference characteristic value obtained from original electronic data, the copied electronic data attached with the reference characteristic value being generated by and transmitted from the second computer system and received by the first computer;

comparison subject characteristic value calculating means for calculating a comparison subject characteristic value from the copied electronic data and recopied electronic data from the original electronic data; and

determining means for determining authenticity of the copied electronic data and the recopied electronic data by comparing the reference characteristic value and the comparison subject characteristic value,

wherein the copied electronic data transmitted from the second computer system to the first computer system is compared with three-dimensional geometry of a manufactured product by using an inspection needle or laser beam of the first computer system.